

Handheld Control Panel 10.1” HGT 1053



The HGT 1053 Control Panel is an intelligent panel for visualizing, operating and monitoring automated processes. Process diagnostics is therewith simplified. The projected capacitive touch screen serves as the input medium for process data and parameters. The output is shown on a 10.1-inch TFT color display (WXGA 800 x 1280) with LED backlighting.

Performance Data

Processor	EDGE3-Technology
Processor cores	4
Internal program and data memory (RAM)	2-GByte (DDR4)
Internal remnant data memory	128-kByte FRAM
Internal storage device	8-GByte eMMC
Optional memory expansion	microSD
Graphic	integrated in EDGE processor
Interfaces	1x Ethernet (10/100/1000) 1x USB 2.0 Type A 1x Safety Interface
Internal interface connections and devices	1x TFT color display 1x USB 2.0 Type A 1x USB (touch connection) 1x microSD card holder (SD 3.0)

Operating components	Confirmation switch (2 normally open contacts, 3-stage) Key switch (2 normally open contacts) Emergency stop switch (2 normally closed contacts)
Signal generator	no
Display Resolution	10.1" TFT color display WXGA 800 x 1280 pixels
Operating field	Touch screen (multi-touch, projective capacitive)
Status LEDs	Multi-LED (red/green)
Real-time clock	yes (battery buffered)
Cooling	semi-passive (fan activated only when required)

Electrical Requirements

Supply voltage	+24 V DC ±20 % (SELV/PELV) UL: Class 2 of LVLC	
Protection class	III	
Supply voltage (UL)	+24-30 V DC (NEC Class 2 or LVLC)	
Current consumption Power supply +24V	typically 600 mA (without externally connected devices)	maximum 700 mA (with external devices connected)
Inrush current	maximum 9 A for < 110 µs	
USB current load	maximum 0.5 A	

Terminal

Dimensions	226 x 264 x 76 mm (W x H x D) (without emergency/key switch)
Material	housing: PC/ASA color: RAL7024
Weight	typically, circa 1.25 kg without connector cable

Display

Type	10.1" TFT LCD color display
Resolution	WXGA, 800 x 1280 pixels
Color depth	24-bit RGB
LCD mode	normal black
LCD polarizer	transmissive
Pixel size	0.1695 x 0.1695 mm
Backlighting	LED
Contrast	typically 800 : 1
Brightness	typically 300 cd/m²
Angle CR ≥ 10	85° from all sides

Article Number and Miscellaneous

Artikel number	01-245-1053
Connector cable	optionally available
Operating system	Gecko
Approvals	CE, TÜV-Austria EG-type-examined

Environmental Conditions

Storage temperature	-10 ... +70 °C	
Environmental temperature	0 ... +50 °C	
Humidity	10-95 %, non-condensing	
Operating conditions	pollution degree 2	
EMC resistance	according to EN61000-6-2 (industrial area) (increased requirements according to EN 62061)	
EMC noise generation	according to EN 61000-6-3 (Household area) according to EN 61000-6-4 (industrial area)	
Shock resistance	EN 60068-2-27	15 g (147.15 m/s ²)
Vibration resistance	EN 60068-2-6	5-150 Hz: amplitude 3.5 mm transition frequency: 8.42454 Hz acceleration: 1 g duration: 10 cycles cycle: 1 octave/minute
Protection type	EN 60529 protection through housing	IP54 (only with all protective in place)
Free fall (with rough handling)	DIN EN 60068-2-31	1000 mm
Free fall (with packaging)	IEC 60068-2-32	1000 mm

Notes

